Final 1998 Section 303(d) List - WRIA 48

Water Name	ANDI	REWS CF	REEK						
Parameter	Disso	ved Oxyg	gen					Mediu	Water
Place on 1998	List?	No	Listed in 1	996 No	Action N	leeded	None		
New Segment	ID#	PU33PU	ſ	Old Segm	ent ID#	WA-48-	1058		
Stream Route	#		4.577	Water Res	source Inv	entory A	rea	48	
Township		38N		Waterbod	y Grid #				
Range		22E		Grid Latit	ude				
Section		06		Grid Long	gitude				
Basis for Consideration Listing	of	1 excursi	ion beyond th	he criterion at U	JSGS statio	n 1244739	90 (nea	r Mazama) on7/31/91.
Remarks		A single listing.	excursion be	eyond the criter	ion does not	t meet the	Water	Quality Pi	ogram Policy for
Water Name	ANDI	REWS CF	REEK						
Water Name Parameter	ANDI 4,4'-D		REEK					Mediu	Water
	4,4'-D	DE	REEK Listed in 1	996 No	Action N	leeded	None	Mediu	Water
Parameter	4,4'-D	DE	Listed in 1	996 No	_	leeded WA-48-		Mediu	Water
Parameter Place on 1998	4,4'-D List?	DE No	Listed in 1	Old Segm	_	WA-48-	1058	Mediu 48	Water
Parameter Place on 1998 New Segment	4,4'-D List?	DE No	Listed in 1	Old Segm	ent ID #	WA-48-	1058		Water
Parameter Place on 1998 New Segment Stream Route	4,4'-D List?	DE No PU33PU	Listed in 1	Old Segm Water Res	ent ID # source Inv	WA-48-	1058		Water
Parameter Place on 1998 New Segment Stream Route Township	4,4'-D List?	DE No PU33PU 38N	Listed in 1	Old Segm Water Res	ent ID # source Inv y Grid # ude	WA-48-	1058		Water
Parameter Place on 1998 New Segment Stream Route Township Range	4,4'-D List? ID #	DE No PU33PU 38N 22E 06	4.577	Old Segm Water Res Waterbook Grid Latit Grid Long Vational Toxics	dent ID # source Inv y Grid # ude gitude	WA-48-	1058	48	
Parameter Place on 1998 New Segment Stream Route Township Range Section Basis for Consideration	4,4'-D List? ID #	DE No PU33PU 38N 22E 06 1 excursi 1244739	4.577 4.577 ion beyond N	Old Segm Water Res Waterbod Grid Latit Grid Long Vational Toxics	dent ID # source Inv y Grid # ude gitude Rule (40 C	WA-48-ventory A	1058	48 derion at U	

Water Name	BEAV	ER CRE	EEK							
Parameter	Instre	am Flow							Mediu	Habitat
Place on 1998	List?	Yes	Listed in 1	996	Yes	Action N	leeded	Other	Control	
New Segment I	ID#	EY94AH	Ŧ	0	ld Segm	ent ID#	WA-48	3-1021		
Stream Route #	#		0	Water Resource Inventory Ar					48	
Township		33N		W	aterbod	y Grid #				
Range		22E		G	rid Latitı	u de				
Section		27		G	rid Long	jitude				
Basis for Consideration Listing	of	flow. The are listed August 1 Carrol P and Sept the Creek noted jur 1994. U and 9/16 RM 3.0 cfs. The 8.73 cfs mouth of two mea	ne Spring and as depressed 1997 under the almer on 2/2 tember from the being diversed to the second of the second	I Sum d (SA) ne End 8/96) 1991- rted in ok and easure GS al m 195 ver ze m trib ek was owed	mer Chim SSI, 1994 dangered 3 reports th 1994 and to an irrig d Steelhea ments fou so measur 66-1960. ero. A mis butary - th s 0.4 cfs of the lowes	ook and Sur b). Summer Sepecies Act. at the Creek that on 3 oc gation ditch ad below the and the Cree red daily flo The lowest secllaneous e South For on the same st single day	mmer Steelhead . The Yal c at High- ccasions t at RM 3. d diversion ek flow a ows in Be single da measurer k Beaver day. The	telhead have kama Inway 15 the Trill he You in that Highwaver Caily flowment by Creek e USGS Septem	stocks in the been listed and an Natica 3 was ofter the found the Yakama India e winter/sp way 153 to reek upstrew during the y USGS on the wind the State of 1956 where of 1956 where of 1956 was on the state of 1956 where of 1	hate instream the Methow River as endangered in on (submittal by a dry in August e entire flow of ian Nation also ring of 1992- be zero on9/1/67 am of the large ose years was 6.5 8-4-1956found flow near the of site between the forwas 10.5 cfs. t day.
Remarks										

Water Name	CHEV	VACK RI	IVER						
Parameter	Instrea	am Flow						Mediu	Habitat
Place on 1998	List?	Yes	Listed in 1	996 Yes	Action N	eeded	Other	Control	
New Segment	ID#	BG74VV	V	Old Segn	nent ID#	WA-48	3-1052		
Stream Route	#		5.808	Area	48				
Township		35N		Waterboo	dy Grid #				
Range		22E		Grid Lati	tude				
Section		35		Grid Lon	gitude				
Basis for Consideration Listing	of	Steelhead Act.; Neil Summer Program name wayears ago Chinook Methow habitat fl biggest it and fall. Included	d have been I hlson, et al. 1 Steelhead are Policy criter is officially clo. The Chew and the sum River IFIM I lows needed irrigation ditc. The existing is a 1992 me	isted as endan 991, Summe e at a high risk ia for inadequ nanged from the ack River spri mer steelhead Report provide by the fish at I hes. The ditcl river flow is f	gered in Aug er Chinook ar a of Extinctio ate instream in the Chewuch and Chinook a stocks are list es the hydrology RM 1.3, and in the remove a far below what	gust 1997 re at mod on.; The s flow and River to and Meth sted as de ogy, fish the quant large pan at is need	under rerate ristriver me has been the Chenow Riverpressed populatities of the ded by the control of the con	the Endangsk of extince eets all the een added to ewack River spring a d (SASSI, Ition information flow diver eriver flow he fish at the	ction and Water Quality to the list. The era couple of and summer 1994). The nation, IFIM fish eted by the in late summer
Remarks									

Water Name	EARL	Y WINT	Y WINTERS CREEK										
Parameter	Instrea	am Flow							Mediu	Habitat			
Place on 1998	List?	Yes	Listed in	1996	Yes	Action N	leeded	Other	Control				
New Segment I	D#	# YI72PH Old Segment ID # WA-48-106											
Stream Route #	ŧ	2.982 Water Resource Inventory Area											
Township		36N Waterbody Grid #											
Range		19E		G	rid Latit	ude							
Section		27		G	rid Long	itude							
Basis for Consideration Listing	of	of extinct the Water to the list are listed August the hydr RM 1, a remove below w	etion and Surer Quality Prest. The Method as depressed 1997 under tology, fish produced the quant a large part other tology.	ogram ow Riv od (SA he Enc opulat ities of the r d by th	n, 1992. Nehlson, et al. 1991, Summer Chinook are at modera mer Steelhead are at a high risk of extinction.; The stream meet gram Policy criteria for inadequate instream flow and has been as a River spring and summer Chinook and the summer steelhead so (SASSI, 1994). Summer Steelhead have been listed as endanged Endangered Species Act.; The Methow River IFIM Report probulation information, IFIM fish habitat flows needed by the fish es of flow diverted by the biggest irrigation ditches. The ditches the river flow in late summer and fall. The existing creek flow by the fish at that time. A 1992 memo summarizing a consensus so of the flows needed by the Early Winters Creek fish.								
Remarks													

Water Name	METI	HOW RI	VER									
Parameter	Instre	am Flow								Mediu	Habitat	
Place on 1998	List?	Yes	Listed in 19	996	Yes	Action	Neede	ed	Other	Control		
New Segment	ID#	EO28M	Q	0	ld Segm	ent ID#	WA	\ -48-	-1050			
Stream Route	#		111.351	W	ater Res	ource Ir	nvento	ry A	Area	48		
Township		36N		W	/aterbod	y Grid #						
Range		19E		G	rid Latit	ude						
Section		26		G	rid Long	itude						
Basis for Consideration Listing	of	Steelhea August are at m Four seg instream Chinool Methow fish at tl irrigatio flow is f	and Cattersond Stocks are considered the considered	deprede Ende Ende Ende Ende Ende Ende Ende E	ssed. Sur dangered a nction and meets all en added t teelhead s t provides (RM 66.5 ches remo- eeded by t	nmer Stee Species A I Summer the Water to the list. tocks are to the hydr (5), and the we about 5 the fish.	elhead het.; Ne Steelho Quality The Melisted a cology, I e quanti 50% of A 1992	ead a property of the second s	been lon, et a are at a ogram ow Riv pressed fish hof flowriver floors and the sum of	isted as en l. 1991, S a high risk criteria for er spring a d (SASSI, nabitat flow w diverted ow and the nmarizes a	dangered in Summer Chinc of extinction. r inadequate and summer 1994). The ws needed by the by the biggest e existing rive consensus by	ook ; the t
Remarks												
Water Name	METI	HOW RI	VER									
Parameter	Temp	erature								Mediu	Water	
Place on 1998	List?	No	Listed in 19	996	Yes	Action	Neede	ed	None			
New Segment	ID#	YX20M	G	0	ld Segm	ent ID#	WA	\ -48-	-1010			
Stream Route	‡		0.252	W	ater Res	ource Ir	nvento	ry A	Area	48		
Township		30N		W	aterbod	y Grid #						
Range		23E		G	rid Latit	ude						
Section		21		G	rid Long	itude						
Basis for Consideration Listing	of		sion beyond th 48A070 (RM 5				_	%) a	at Ecol	ogy ambie	ent monitoring	5
Remarks		A single listing.	excursion bey	yond	the criteri	on does n	ot meet	t the	Water	Quality P	rogram policy	for

Water Name	METI	HOW RI	VER							
Parameter	рН								Mediu	Water
Place on 1998	List?	No	Listed in 19	996	No	Action	Needed	None	e	
New Segment I	ID#	EO28M	Q	OI	ld Segm	ent ID#	WA-48	8-1020		
Stream Route	#		63.518	W	ater Res	ource In	ventory	Area	48	
Township		33N		W	aterbod	y Grid #				
Range		22E		Gı	rid Latitı	ıde				
Section		20		Gı	rid Long	itude				
Basis for Consideration Listing	of		ions beyond tl 3/87 and 3/15/		terion at	Ecology ar	mbient mo	onitori	ng station 48	3A130 (RM 38.3)
Remarks		influence		osynt	hetic iron					t human caused udgement of Kim
Water Name	METI	HOW RI	VER							
Parameter	Instre	am Flow							Mediu	Habitat
Place on 1998	Lieta	Yes	Listed in 19	206	Yes	Action	Needed	Otho	r Control	
]				
New Segment	ID#	EO28M	Q	OI	ld Segm	ent ID#	WA-48	8-1010		
Stream Route	#		48.821	W	ater Res	ource In	ventory	Area	48	
Township		32N		W	aterbod	y Grid #				
Range		22E		Gı	rid Latitı	ıde				
Section		16		Gı	rid Long	itude				
Basis for Consideration Listing	of	Steelhea August are at me Four seg instream Chinook Methow fish at the irrigation flow is f	d Stocks are days and the summars of the rand the summars of the s	leprese End e End e extir river 11 e bee mer st Report (RM e ditch	and and an and an added to the elhead so the provider 31.5), and the removed by the seeded by the seeded by the seeded by the seeded so the seeded by the seeded so the seeded by the seeded seeded seeded by the seeded se	mer Steell Species Ac I Summer the Water to the list. To tocks are I the hydro I the quant we about 50 he fish. A	nead have et.; Nehlso Steelhead Quality P. The Methisted as do logy, IFII tities of fl 0% of the 1992 me	been I on, et a l are at rogram now Ri epresse M fish ow div river f	listed as endal. 1991, Su a high risk of a criteria for ver spring and ed (SASSI, I habitat flow verted by the flow and the mmarizes a co	immer Chinook of extinction.; inadequate and summer 1994). The is needed by the biggest existing river consensus by the
Remarks			n the proposed		_	•				ne Walsh Site is

Water Name	METH	HOW RI	VER							
Parameter	Temp	erature							Mediu	Water
Place on 1998	List?	No	Listed in 19	996	No	Action I	Needed	None		
New Segment I	ID#	EO28M	Q	OI	ld Segm	ent ID#	WA-48	3-1020		
Stream Route #	‡		63.518	W	ater Res	ource Inv	ventory A	Area	48	
Township		33N		W	aterbod	y Grid #				
Range		22E		Gı	rid Latitu	ıde				
Section		20		Gı	rid Long	itude				
Basis for Consideration Listing	of	1 excurs on 8/5/8	-	e crit	erion at E	cology am	bient mor	nitoring	station 48	A130 (RM 38.3)
Remarks		A single listing.	excursion bey	ond 1	the criteri	on does no	t meet the	e Water	· Quality Pr	rogram Policy for
Water Name	METH	HOW RI	VER							
Parameter	pН								Mediu	Water
Place on 1998	List?	No	Listed in 19	996	No	Action N	Needed	None		
New Segment	ID#	YX20M	G	OI	d Segm	ent ID#	WA-48	3-1010		
Stream Route #	#		0.252	W	ater Res	ource Inv	ventory	Area	48	
Township		30N		W	aterbod	y Grid #				
Range		23E		Gı	rid Latitu	ıde				
Section		21		Gı	rid Long	itude				
Basis for Consideration Listing	of		ion beyond the 8A070 (RM 5					at Ecol	ogy ambie	nt monitoring
Remarks		excursio influence	excursion doe ns beyond the e due to chemo od (Dept. of Ed	crite osynt	rion are a hetic iron	natural co	ndition w	ith no o	direct huma	

Water Name	METI	HOW RIVER	OW RIVER										
Parameter	Instre	am Flow			Mediu	Habitat							
Place on 1998	List?	Yes Listed in	1996 Yes Action No	eeded Othe	r Control								
New Segment	ID#	EA28MQ	Old Segment ID #	WA-48-1040									
Stream Route	#	81.112	Water Resource Inve	entory Area	48								
Township		34N	Waterbody Grid #										
Range		21E	Grid Latitude										
Section		11	Grid Longitude										
Basis for Consideration Listing	of	Steelhead Stocks are August 1997 under the are at moderate risk of Four segments of the instream flow and hat Chinook and the sun Methow River IFIM fish at the KOA Site ditches. The ditches below what is needed	don, 1992.SASSI, 1993, Spr depressed. Summer Steelhea he Endangered Species Act.; of extinction and Summer Steeriver meets all the Water Quave been added to the list. That mer steelhead stocks are list Report provides the hydrolo (RM 49), and the quantities remove about 50% of the rivid by the fish. A 1992 memows needed by the Methow Riv	ad have been I Nehlson, et a eelhead are at uality Program ee Methow Ri ted as depresse gy, IFIM fish of flow divert wer flow and th summarizes a	isted as enda al. 1991, Su a high risk of a criteria for ver spring ar ed (SASSI, 1 habitat flows ed by the big ne existing ri consensus b	angered in ammer Chinook of extinction.; inadequate and summer 1994). The se needed by the agest irrigation ver flow is far							
Remarks													

Water Name	METI	HOW RI	VER							
Parameter	Instre	am Flow							Mediu	Habitat
Place on 1998	List?	Yes	Listed in 19	96	Yes	Action	Needed	Othe	er Control	
New Segment	ID#	EO28M	Q	O	ld Segm	ent ID#	WA-	48-1050)	
Stream Route	#		106.65	W	ater Res	ource In	ventor	/ Area	48	
Township		36N		W	aterbod	y Grid #				
Range		20E		G	rid Latitu	ıde				
Section		31		G	rid Long	itude				
Basis for Consideration Listing	of	Steelhea August are at m Four seg instream Chinook Methow fish at th irrigatio flow is f	ad Stocks are dad 1997 under the oderate risk of gments of the range of the range of the summer of t	e End extiniver in e beener state eporte (Rice is ne	ssed. Sun langered S nction and meets all to n added to eelhead s t provides M 59), an hes removeded by t	nmer Stee Species Ad I Summer the Water to the list. tocks are to the hydre d the qual we about 5 he fish. A	lhead have ct.; Nehles Steelhea Quality The Me listed as cology, IF netities of 60% of the A 1992 m	we been soon, et ad are at Program thow Ridepresso IM fish flow die river is eemo su	listed as end al. 1991, S a high risk in criteria for iver spring a ed (SASSI, habitat flow verted by th flow and the mmarizes a	ummer Chinook of extinction.; inadequate and summer 1994). The ws needed by the e biggest e existing river consensus by the
Remarks			n the proposed							he Weeman Site
) (EEE	10111 D	TIED.							
Water Name	METI	HOW RI	VER						-	
Parameter	Temp	erature							Mediu	Water
Place on 1998	List?	Yes	Listed in 19	96	Yes	Action	Needed	TMI	DL	
New Segment	ID#	JS73QX		O	ld Segm	ent ID#	WA-	48-1050)	
Stream Route	#		0	W	ater Res	ource In	ventor	/ Area	48	
Township		34N		W	aterbod	y Grid #				
Range		21E		G	rid Latitu	ıde				
Section		03		G	rid Long	itude				
Basis for Consideration Listing	of		gton Dept. of F flow to the Wi					erous ex	cursions be	yond the criterion
Remarks										

Water Name	METH	HOW RI	VER								
Parameter		erature								Mediu	Water
rarameter	Tempe	crature				1				Mediu	vv ater
Place on 1998	List?	No	Listed in 19	996 Ye	es	Action	n Ne	eded	None	;	
New Segment	ID#	YX20M	G	Old S	Segm	ent ID #	ŧ [WA-48	-1010		
Stream Route	#		0.252	Wate	er Res	ource I	Inve	ntory	Area	48	
Township		30N		Wate	erbody	y Grid #	#				
Range		23E		Grid	Latitu	ıde					
Section		21		Grid	Long	itude					
Basis for Consideration Listing	of	Willms	and Kendra, 19	990., 1	excurs	sion at R	M 5.	0 on 8/	29/89.		
Remarks		A single listing.	excursion bey	ond the	criteri	on does	not n	neet the	e Wate	r Quality P	rogram policy for
Water Name	TWIS	P RIVEI	₹								
Parameter	Tempe	erature								Mediu	Water
Place on 1998	List?	Yes	Listed in 19	996 Ye	es	Action	n Ne	eded	TMD	L	
New Segment	ID#	GC59O	C	Old S	Segm	ent ID #	‡	WA-48	-1030		
Stream Route	#		0	Wate	er Res	ource I	Inve	ntory	Area	48	
Township		33N		Wate	erbody	y Grid #	ŧ				
Range		22E		Grid	Latitu	ıde					
Section		08		Grid	Long	itude					
Basis for Consideration Listing	of	Willms and 8/30		990., 2	excurs	sions bey	yond	the crit	erion i	near the mo	uth on 8/29/89
Remarks											

Water Name	TWIS	P RIVE	₹						
Parameter	Instre	am Flow						Mediu	Habitat
Place on 1998 l	List?	Yes	Listed in 19	996 Yes	Action N	Needed	Other	Control	
New Segment I	D#	GC5900	C	Old Se	gment ID #	WA-48	3-1030		
Stream Route #	‡		4.227	Area	48				
Township		33N		Waterb	ody Grid #				
Range		21E		Grid La	ititude				
Section		11		Grid Lo	ongitude				
Basis for Consideration Listing	of	Steelhea Act.; No Summer Program Twisp R summer Report p by the fi The ditce flow is f	ad have been liehlson, et al. 1 Steelhead are a Policy criteri Liver spring Cl steelhead stoo provides the high at RM 1.8, thes remove a ar below what	sted as end 991, Sum at a high r a for inade iinook and ks are liste drology, fi and the qu large part of is needed	angered in Augmer Chinook a isk of extinction quate instream Methow River das depressed sh population antities of flow	gust 1997 are at moo on.; The r flow and r spring ar (SASSI, informati v diverted v in late so hat time.	7 under derate river me has been d summer by the ummer A 1992	the Endang isk of extin eets all the en added to mer Chinoo The Metho M fish habi biggest irri and fall. T	water Quality the list. The bk and the w River IFIM itat flows needed gation ditches. he existing river mmarizing a
Remarks									

Water Name	WOL	F CREEK							
Parameter	Instre	am Flow				Mediu	Habitat		
Place on 1998	List?	Yes	Listed in 1	996 Yes	Action N	leeded	Other	Control	
New Segment	ID#	BB48IN		Old Segm	nent ID#	WA-48-	-1059		
Stream Route	#		0	Water Re	Area	48			
Township		35N		Waterboo	ly Grid #				
Range		21E		Grid Latit	ude				
Section		32		Grid Long	gitude				
Basis for Consideration Listing	of	Program I Spring an as depress 1997 und 1972, 197 found the while abo respective stream flo populatio palmer or occasions	Policy criter d Summer (Seed (SASSI, er the Endan 73, 1976 at 4 Creek near out 3 miles uply. The divow being divins of bull tru2/28/96) rein August a	ia for inadequal Chinook and St. 1993). Summagered Species 4 sites on Wolfits mouth to hapstream Wolfitersions measures.	ate instream fummer Steell ater Steelhead Act. The US Creek and in ave zero flow Creek had a gred in betwee a irrigation dar. The Yakar Creek has gor from 1992-1	flow and head stock have been sGS meas not fivers when the two litches. The malindary in 1994 and	has be ks in t en liste sured f sions f -1973, .17 cfs o sites This str n Natio the lov	en added to the Methow ed as endan flows about from Wolf (, 8-15-1973 s, 5.56 cfs, showed over eam has or on (submitt wer 0.7 mil	w River are listed gered in August 12 times in Creek. The USGS 3, and 9-13-1973 and 3.36 cfs, wer half of the ne of the better tal by Carroll e on multiple
Remarks									